

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: To Be Assigned  
Applicant: Shaomin Samuel Mo et al.  
Filed: Herewith  
Title: METHODS AND APPARATUS FOR GENERATING AND PROCESSING  
WIDEBAND SIGNALS HAVING REDUCED DISCRETE POWER SPECTRAL  
DENSITY COMPONENTS  
TC/A.U.: To Be Assigned  
Examiner: To Be Assigned  
Docket No.: MATI-240US

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

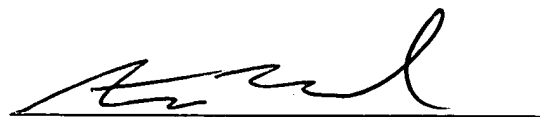
Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of each of the listed non-patent references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,



Kenneth N. Nigon, Reg. No. 31,549  
Stephen J. Weed, Reg. No. 45,202  
Attorney(s) for Applicant(s)

SJW/tmb

Enclosures: PTO Form 1449  
(3) References

Dated: March 31, 2004

P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

The Commissioner for Patents is hereby  
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**EXPRESS MAIL**

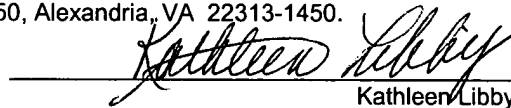
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March 31, 2004

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Kathleen Libby

Substitute for Form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**SHEET 1 of 2**

**Complete if Known**

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Shaomin Samuel Mo et al.
Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket No.	MATI-240US

**U.S. PATENT DOCUMENTS**

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for Form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Filing Date	Herewith
First Named Inventor	Shaomin Samuel Mo et al.
Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket No.	MATI-240Us

**SHEET 2 of 2****NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		OFDM for Wireless LAN (IEEE 802.11a), ECE-299.4 Wireless Internet Technologies, Department of Electrical and Computer Engineering, <a href="http://www.ee.duke.edu/-sasan/ofdm.html">http://www.ee.duke.edu/-sasan/ofdm.html</a> , April 18, 2002.	<input type="checkbox"/>
		LOUIS LITWIN ET AL., The principals of OFDM, RF signal processing, <a href="http://www.rfdesign.com">http://www.rfdesign.com</a> , January 2001.	<input type="checkbox"/>
		ANUJ BATRA ET AL., Multiband OFDM: Why it Wins for UWB, <a href="http://www.commdesign.com/story/OEG20030624S0006">http://www.commdesign.com/story/OEG20030624S0006</a> , March 9, 2004.	<input type="checkbox"/>
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Examiner Signature		Date Considered	
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<sup>1</sup>Applicant's unique citation designation number (optional).

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